

What is the DII COE

- **The DII COE can be described as**
 - a reference implementation of the DOD Joint Technical Architecture containing a collection of reusable software components
 - a software infrastructure for supporting mission applications and their reuse across Service domains
 - an approach for facilitating integration and enabling interoperability
 - a set of guidelines, standards, specifications, and products
- **GCCS is a C4I System built on top of the DII COE**

“The DII COE is not a system; it is a foundation for building a shared system.”

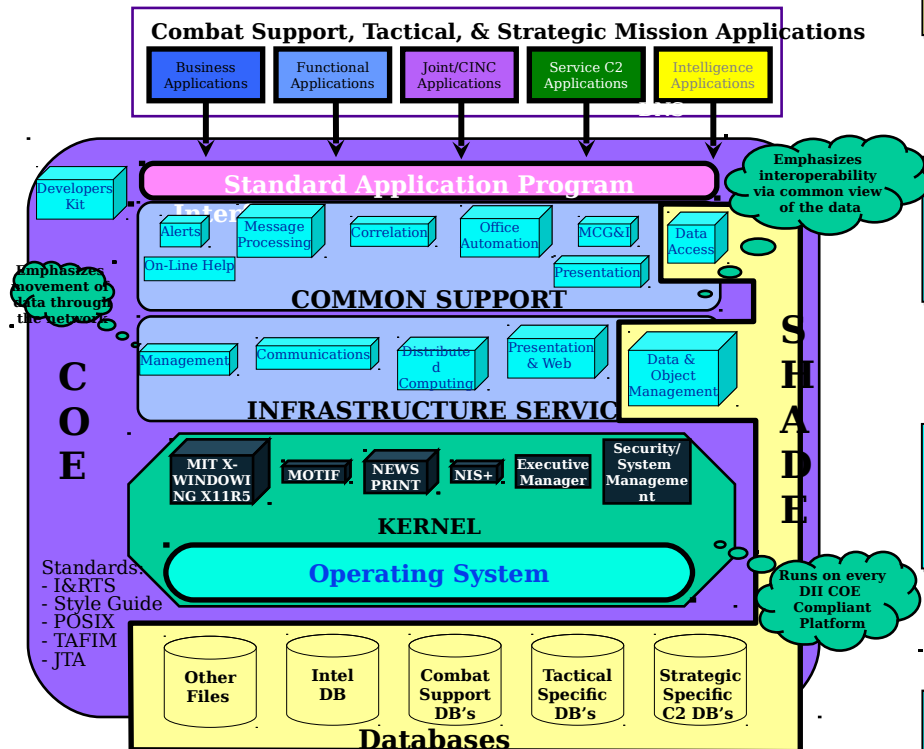
DIJ Role in DII COE

- AF advocate for concerns and issues raised to the DISA DII COE Office
- Gather AF requirements for DII COE
- Provide AF programs guidance on how to use the COE and segment software
- Support DII COE compliance testing
- AF reps to The TWGs and AOGs
- Distribute DII COE software to AF organizations
- Close relationship to the AF DII COE Chief Engineer
- AF DII COE web site for .mil, & .gov
 - <https://dii-af.hanscom.af.mil/infrastructure/COE/COEHOME.HTM>
- AF DII COE web site for vendors and developers
 - <http://www.hanscom.af.mil/esc-dii/>

Contact Info

- DII COE programmatic issue or if you do not know were to call
 - Vickie Barry - DSN 478-8129
(vickie.barry@hanscom.af.mil)
- DII COE Chief Engineer issue
 - Jay Scarano DSN 478-7240 (jgs@mitre.org)
- NT questions
 - Eric Krum M-5144 (krume@mitre.org)
- UNIX questions
 - Brett Johnson M-5871 (bjohnson@mitre.org)

DII COE



Mission Applications

- Mission Unique Functionality
- Developed by Services/Agencies
- Controlled/Deployed by Services and Agencies

Common Support Applications

- Functionality Common within Domains
- Developed by Services/Agencies
- Controlled & Deployed by DISA

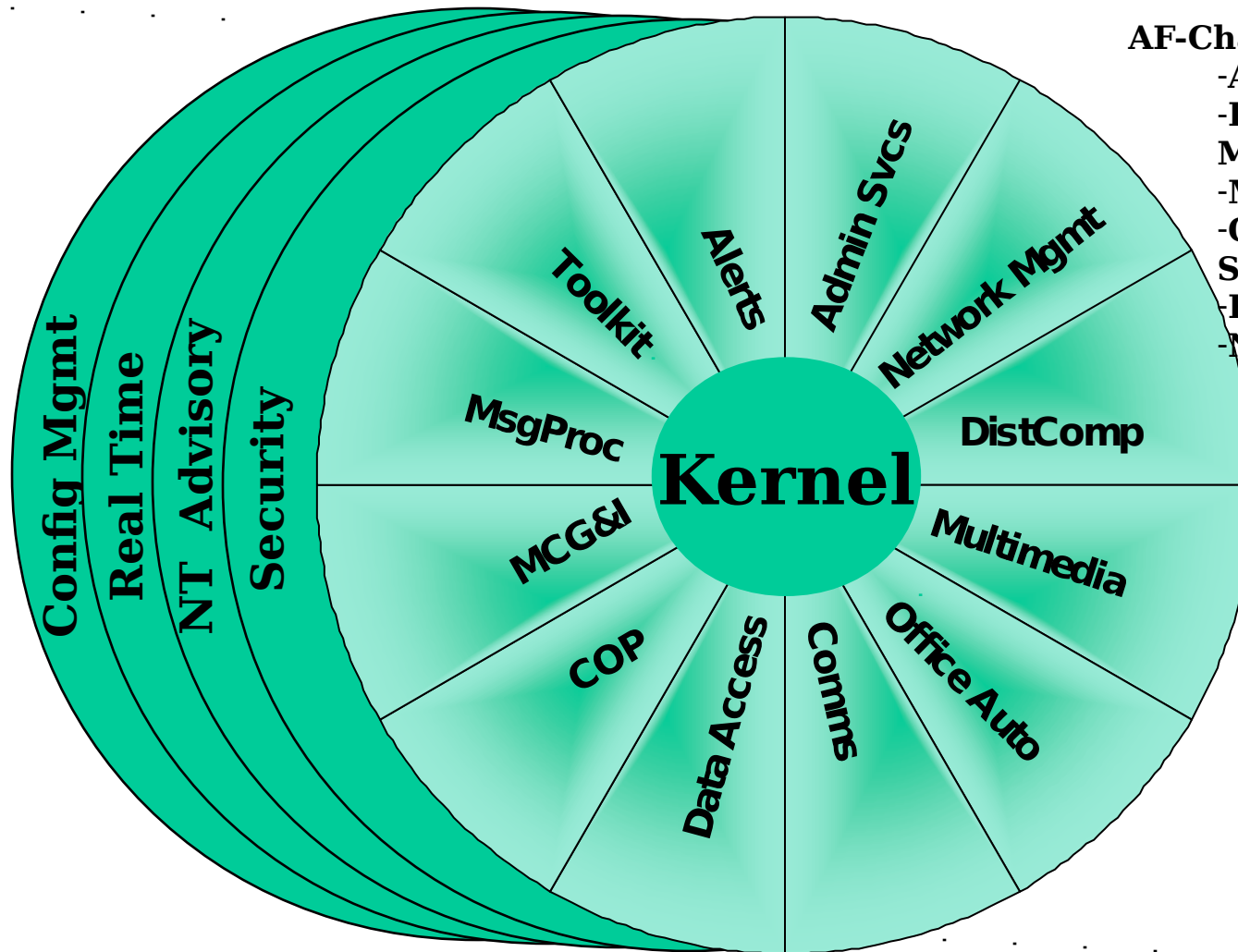
Common Infrastructure Services

- Functionality Common across DoD
- Developed by Services/Agencies & DISA
- Controlled & Deployed by DISA

DII COE Kernel

- Functionality needed for all Applications
- Developed by DISA
- Controlled/Deployed by DISA

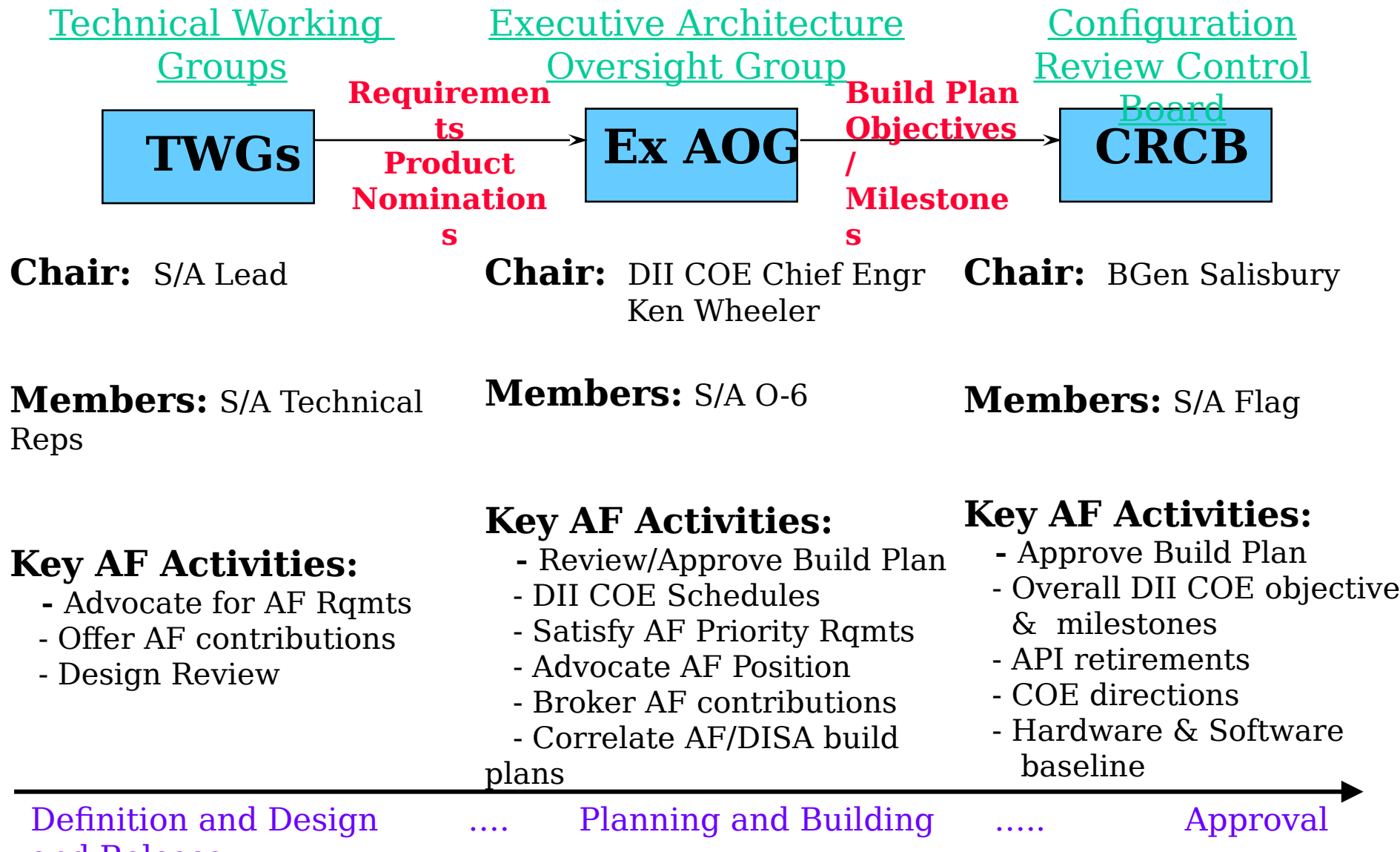
Technical Working Groups



AF-Chaired TWGs

- Admin Svcs
- Dist.Computing & Object Mgmt
- Multimedia & Collab Svcs
- Office Auto & On-Line Support
- Real Time
- NT Advisory Group

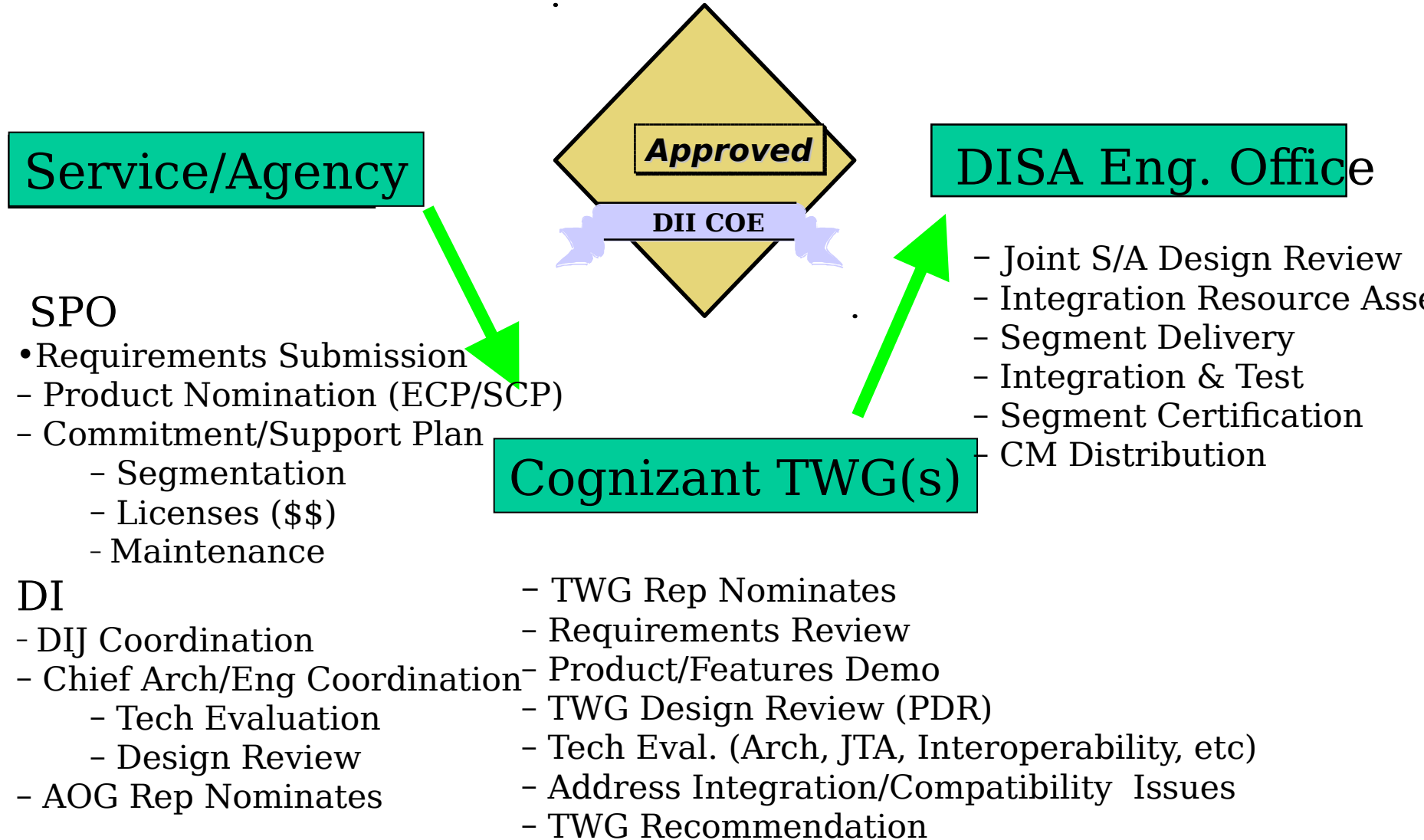
DII COE Management Structure



COE Requirement Submission Process

- Review COE
 - Identify required missing functionality
 - Submit requirement to AF DII COE requirement database for that missing functionality
 - <https://dii-af.hanscom.af.mil/infrastructure/COE/SRS/SRS.html>
- IF YOU COMPLETE THIS STEP WE WILL GET A HIGH PRIORITY BUT PROBABLY NO PRODUCT**
- Identify funding or

COE Component Nomination Process

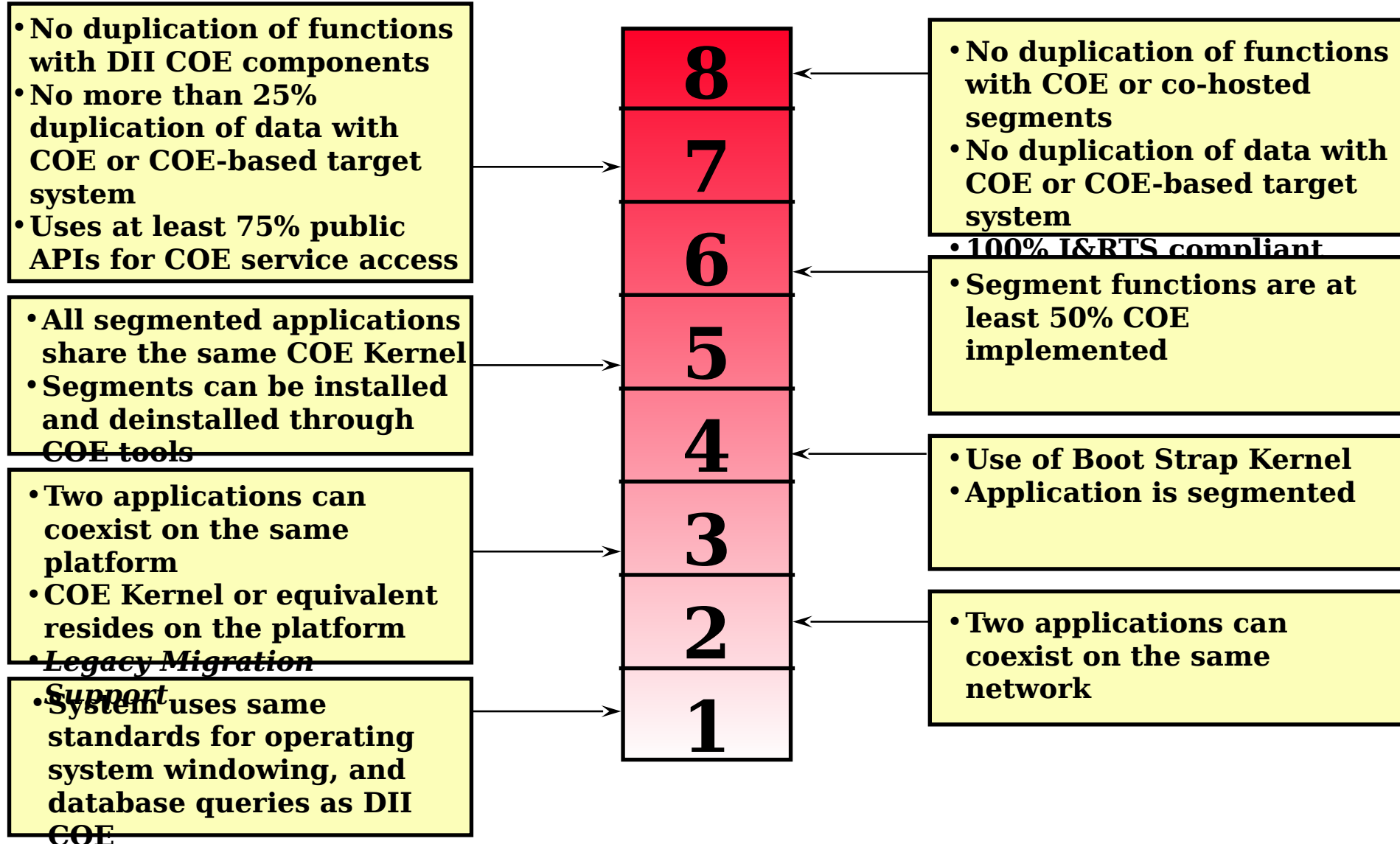


COE Compliance

- **Measures the degree to which your software component can plug-and-play in the COE**
- **There are four areas of compliance**
 - Run Time Environment
 - Style Guide
 - Architectural Compatibility
 - Software Quality

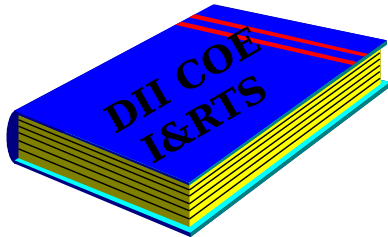
Run Time Environment

Levels of Compliance



DII-COE I & RTS Waiver Process

DII COE Segments



- DII AF Review/Evaluation
- Schedule DISA segment design review
- Granted by DII COE Chief Engineer as part of segment design review process



- Determine Level of Compliance Desired
- Perform I&RTS Self Assessment
- Determine Waivers Required to Achieve Desired Compliance Level
- Request Waiver Form from DII AF COE Chief Engineer

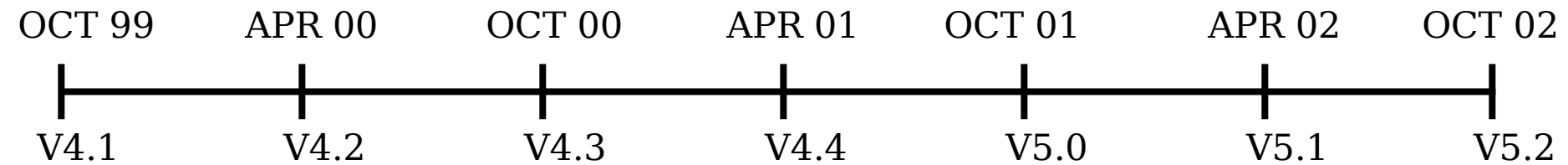
Mission Application Segments

- Submit Waiver Request Form to DII AF COE Chief Engineer

- DII AF Review/Evaluation
- Submit to cognizant System Level Chief Engineer
- Schedule meetings as necessary
- Integration Council Review
- Granted by agreement of cognizant System-Level Chief Engineer and DII AF

- Waiver is documented in se Version Description Docum Design Review Brief
- Waiver is valid until segment resubmitted or re-engineer

DII COE Schedule



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